## DAY 8 - 33 HOW MORK

Page 160 #1-3. 7. 12-15. 17-27 ODD. 31

State the theorem or postulate that proves  $a \parallel b$ .

1.

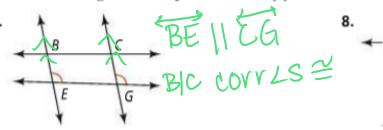




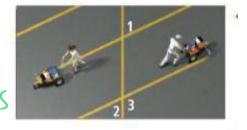
**3.** What is the value of y for which  $a \parallel b$  in Exercise 2? U + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U = V + U =S.S.Intzs supp

Which lines or segments are parallel? Justify your answer.

7.

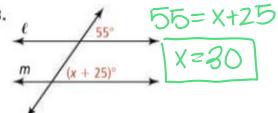


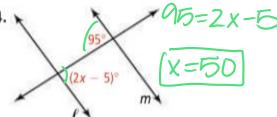
12. Parking Two workers paint lines for angled parking spaces. One worker paints a line so that  $m \angle 1 = 65$ . The other worker paints a line so that  $m \angle 2 = 65$ . Are their lines parallel?



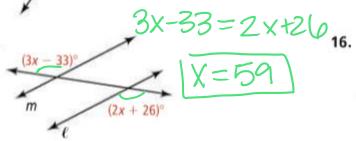
Yes. B|C att.ext.2s  $\cong \Rightarrow$  Lines Algebra Find the value of x for which  $\ell \parallel m$ .

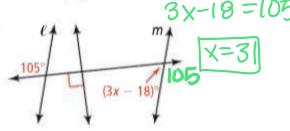
13.





15.

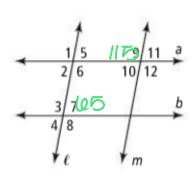




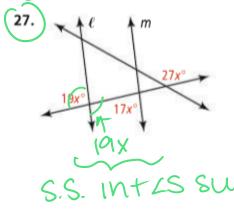
Openation to determine which lines, if any, are parallel. Justify each conclusion with a theorem or postulate.

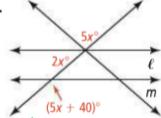
- **17.**)  $\angle 2$  is supplementary to  $\angle 3$ .  $\bigcirc$   $\bigcirc$   $\bigcirc$   $\bigcirc$  S.S.  $\bigcirc$   $\bigcirc$   $\bigcirc$  18.  $\angle 1 \cong \angle 3$
- 19.  $\angle 6$  is supplementary to  $\angle 7.0116$  S.S. 101230.  $\angle 9 \cong \angle 12$
- **21).**  $m \angle 7 = 65$ ,  $m \angle 9 = 115$
- **22.** ∠2 ≅ ∠10
- 23.) ∠1 = ∠8 allb atint ∠s ~
- **24.** ∠8 ≅ ∠6

**26.** ∠5 ≅ ∠10



**Algebra** Find the value of x for which  $\ell \parallel m$ .

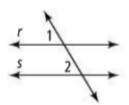




S.S. INTLS SUPP 19x+17x=180

**Algebra** Determine the value of x for which  $r \parallel s$ . Then find  $m \angle 1$  and  $m \angle 2$ .

**31.** 
$$m \angle 1 = 80 - x$$
,  $m \angle 2 = 90 - 2x$ 



80 - X = 90 - 2X

m = 80 - 10 = 70

$$m 2 = m 4 = 70^{\circ}$$