

Lesson 3.1

Homework Answers

Pg 118 - #1-9, 11-25, 30, 32, 33, 39, 40, 45

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| <p>1. \overline{PQ} and \overline{SR} w/transversal \overline{SQ}; alt. int. \angle's</p> <p>2. \overline{PS} and \overline{QR} w/transversal \overline{SQ}; alt. int. \angle's</p> <p>3. \overline{PS} and \overline{QR} w/transversal \overline{PQ}; same-side int. \angle's</p> <p>4. \overline{PS} and \overline{QR} w/transversal \overline{SR}; corr. \angle's</p> <p>5. $\angle 1$ & $\angle 2$; corr. \angle's
$\angle 3$ & $\angle 4$; alt. int. \angle's
$\angle 5$ & $\angle 6$; corr. \angle's</p> <p>6. $\angle 1$ & $\angle 2$; same-side int. \angle's
$\angle 3$ & $\angle 4$; corr. \angle's
$\angle 5$ & $\angle 6$; corr. \angle's</p> <p>7. $\angle 1$ & $\angle 2$; corr. \angle's
$\angle 3$ & $\angle 4$; same-side int. \angle's
$\angle 5$ & $\angle 6$; alt. int. \angle's</p> <p>8. alt. int. \angle's</p> <p>9. a) 2 b) 1 c) corr.</p> <p>11. $m\angle 1 = 75$ because corr. \angle's of \square lines are \cong; $m\angle 2 = 105$ because same-side int. \angle's of \square lines are suppl.</p> <p>12. $m\angle 1 = 120$ because corr. \angle's of \square lines are \cong; $m\angle 2 = 60$ because same-side int. \angle's of \square lines are suppl.</p> <p>13. $m\angle 1 = 100$ because same-side int. \angle's of \square lines are suppl.;
$m\angle 2 = 70$ because alt. int. \angle's of \square lines are \cong.</p> <p>14. 70; the \angle's are 70 & 110</p> <p>15. 25; the \angle's are both 65</p> <p>16. 20; the \angle's are 100 and 80</p> | <p>17. $m\angle 1 = m\angle 3 = m\angle 6 = m\angle 8 = m\angle 9 = m\angle 11 = m\angle 13$
$= m\angle 15 = 52$;
$m\angle 2 = m\angle 4 = m\angle 5 = m\angle 7 = m\angle 10 = m\angle 12$
$= m\angle 14 = 128$</p> <p>18. You must first find the meas. of 1 \angle.
All \angle's that are vert., corr., or alt. int. to that \angle will have that meas. All other \angle's will be the supplement of that measure.</p> <p>19. two</p> <p>20. four</p> <p>21. two</p> <p>22. four</p> <p>23. 32</p> <p>24. $x = 76, y = 37, v = 42, w = 25$</p> <p>25. $x = 135, y = 45$</p> <p>30. a) 57 b) same-side int. \angle's</p> <p>32. a) $a \square b$ (Given)
b) $\angle 1 \cong \angle 2$ (Vert. \angle's are \cong)
c) $\angle 2 \cong \angle 3$ (Corr. \angle's are \cong)
d) $\angle 1 \cong \angle 3$ (Trans POC)</p> <p>33. Never; the two planes do not intersect.</p> <p>39. D</p> <p>40. I</p> <p>45. (0.5, 7)</p> |
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