

Fall Exam Review Answers

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| 1) plane | 2) \overleftrightarrow{AB} or \overleftrightarrow{BC} or \overleftrightarrow{AC} | 3) E |
| 4) 6 | 5) $2\frac{3}{4}$ | 6) $x = 3$, $XY = 14$ |
| 7) $\sqrt{58}$ | 8) $\angle PGY$ or $\angle DGP$ or $\angle YGP$ | 9) $\angle 5$ and $\angle 2$ |
| 10) alternate interior angles | 11) 16 | 12) 8 |
| 13) 20 | | 14) If dogs talk then pigs fly. |
| 15) you pass the test (stuff after "if" is hypothesis) | | 16) T T F T |
| 17) Law of Syllogism (it's a bit like transitive) | | 18) transitive property of = |
| 19) (3, 6) | | 20) Q (A and X furthest apart) |
| 21) 25 | 22) -1 | 23) 30 |
| 24) $y = 3x - 8$ | 25) DEF | 26) \overline{AB} |
| 27) $\overline{BC} \cong \overline{EF}$ | 28) alternate exterior | 29) 72 |
| 30) $y = -2x + 7$ (any y-int will work) | 31) $\angle 2 \cong \angle 3$ | 32) 2, 3, 8 |
| 33) \overline{PQ} | 34) C | 35) 5 |
| 36) 30 | 37) 18 ($x = 4$) | 38) isosceles ($\sqrt{25}$, $\sqrt{25}$, $\sqrt{80}$) |
| 39) A | 40) BE | 41) $\angle A$ |
| 42) 45 | 43) $\frac{1}{4}$ inch | 44) 1440 |
| 45) 360 | 46) D | 47) (-5, 3) |
| 48) 126 | 49) B (def midpoint) | 50) C (AAS) |
| 51) none of these (it's addition property of equality) | | |
| 52) A (segment addition postulate <u>or</u> part + part = whole) | | |
| 53) A | | |

Also know the content from Chapter 7 (Similar Figures and Proportions)