

Lesson 4.7

Homework Answers

Pg 226 - #1-6, 9-14, 23, 24, 28, 34, 36, 38, 43, 45, 47

Pg 232 - #1-4

1) $\angle M$	28) a) Given b) Defn. of \perp c) Defn. of rt. Δ d) Given e) $\overline{BC} \cong \overline{BC}$ f) Reflexive POC g) HL h) CPCTC i) DEC j) Vert. \angle 's are \cong k) AAS l) $\overline{AE} \cong \overline{DE}$ m) CPCTC
2) \overline{DF}	
3) \overline{XY}	
4)	
5)	
6)	
9)	
10) a) Given c) Given	b) Reflexive POC d) AAS e) CPCTC
11) $\triangle LQP \cong \triangle PML$; HL	
12) $\triangle RST \cong \triangle UTS$; SSS	
13) $\triangle QDA \cong \triangle UAD$; SAS	
14) $\triangle QPT \cong \triangle RUS$; AAS	43) $y - 5 = 1(x - 0)$
23) $\triangle ACE \cong \triangle BCD$ by ASA; $\overline{AC} \cong \overline{BC}$, $\angle A \cong \angle B$ (Given) $\angle C \cong \angle C$ (Reflexive POC) $\triangle ACE \cong \triangle BCD$ (ASA)	45) $y - 0 = -\frac{1}{3}(x - 0)$ 47) $y + 5 = \frac{5}{3}(x - 3)$ <u>Pg. 232</u>
24) $\triangle WYX \cong \triangle ZXY$ by HL $\overline{WY} \perp \overline{YX}$, $\overline{ZX} \perp \overline{YX}$ (Given)	1) D; quadrilateral may not be regular. 2) A; $x = 10$
$\overline{WX} \cong \overline{ZY}$ (Given) $\angle WYX$ & $\angle ZXY$ are rt \angle 's (defn of \perp) $\overline{XY} \cong \overline{XY}$ (Reflexive POC) $\triangle WYX \cong \triangle ZXY$ (HL)	3) D; triangles many not be equilateral. 4) B; $x = 70$, $y = 72.5$