

Ch. 7 Practice Test Answers

1.) $x = -2$

2.) $x = -1, -2/3$

3.) $x = 18; 18^\circ, 36^\circ, 126^\circ$

4.) $x = 4; 16 \text{ cm}, 20 \text{ cm}, 28 \text{ cm}.$

5.) $\triangle ABC \sim \triangle DEF; \text{ SAS or SSS}$

6.) can't say; not enough info

7.) ~~ARR~~ $\triangle RPQ \sim \triangle RST \quad \text{SAS} \sim$

8.) $x = 3, 4\frac{1}{2} \quad QT = 12, 23\frac{1}{4}$

9.) 23 feet *be careful ∇ think about the Δ 's you use.*

10.) $x = 5$

11.) $x = 9$

12.) $x = -16, 2$

13.) $NY = 49$

14.) $2:3 \quad \triangle ABC : \triangle XYZ$

15.) $x = 9$