Algebra 1 ECA Remediation

Quiz 3.1

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Solve each proportion.

1) $\frac{x+2}{2} = \frac{x}{5}$

A) {2.36} B) {9.1}
C) {−4.206} D) {−3.33}

2) $\frac{x}{9} = \frac{x-10}{2}$

A) {9.8} B) {2.2}
C) {2.7} D) {12.85}

3) $\frac{m-8}{10} = \frac{m-8}{8}$

A) {1.3} B) {8}
C) {−2} D) {1.6}

4) $\frac{n-4}{9} = \frac{n-8}{10}$

A) {−7} B) {−32}
C) {8} D) {5.7}

Solve each equation for the indicated variable.

5) $-3s - 6(7r + 2) = -282$, Solve for r

A) $\{r = \frac{284 - 3s}{42}\}$
B) $\{r = \frac{90 + s}{14}\}$
C) $\{r = \frac{98 - s}{14}\}$
D) $\{r = \frac{90 - s}{14}\}$

6) $I = Per^t$, solve for P

A) $\{P = Ier^t\}$ B) $\{P = \frac{I}{er^t}\}$
C) $\{P = \frac{er^t}{I}\}$ D) $\{P = \frac{Ie}{r^t}\}$

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