

Quiz 3.2

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Solve each proportion.

1) $\frac{v-1}{5} = \frac{v}{2}$

- A) $\{-4.7\}$ B) $\{-2.4\}$
 C) $\{-4.5\}$ D) $\{-0.66\}$

2) $\frac{a}{4} = \frac{a+3}{2}$

- A) $\{4\}$ B) $\{6.7\}$
 C) $\{3.4\}$ D) $\{-6\}$

3) $\frac{v-8}{5} = \frac{v-3}{2}$

- A) $\{-0.33\}$ B) $\{1.11\}$
 C) $\{-7.9\}$ D) $\{-9\}$

4) $\frac{a+4}{2} = \frac{a-5}{5}$

- A) $\{-2\}$ B) $\{-5\}$
 C) $\{6.5\}$ D) $\{-10\}$

Solve each equation for the indicated variable.

5) $124 = 2(7n + 6m)$, solve for n

- A) $\{n = \frac{62-3m}{7}\}$
 B) $\{n = \frac{62-6m}{7}\}$
 C) $\{n = \frac{62+6m}{7}\}$
 D) $\{n = \frac{56m}{7}\}$

6) $P = 3x - 7y^2$, solve for x

- A) $\{x = \frac{P-7y^2}{3}\}$
 B) $\{x = P + \frac{7}{3y^2}\}$
 C) $\{x = \frac{P+7y^2}{3}\}$
 D) $\{x = \frac{P+y^2}{-4}\}$