



BASIC ALGEBRA ASSESSMENT SAMPLE

You have up to 1 hour to complete 25% of the assessment.

PART A - Equations

$\frac{Z}{2} + \frac{3}{4} = \frac{1}{2}$ Solve for Z .

$\frac{1}{x} + \frac{1}{x+1} = \frac{1}{12}$ Solve for x .
 a) $x = 3$ b) $x = 4$ c) $x = 5$ d) $x = 6$

$\frac{t}{x} = \frac{t+2}{x+1}$ Solve for t .
 a) $t = 3$ b) $t = 4$ c) $t = 5$ d) $t = 6$

$\frac{d}{x} = \frac{3}{4}$ Solve for d .

a) $d = \frac{3}{4}$ b) $d = \frac{4}{9}$ c) $d = \frac{15}{4}$ d) $d = \frac{4}{15}$

$\frac{d}{x} = \frac{1}{2}$ Solve for d .

a) $d = 0$ b) $d = \frac{5}{0}$ c) $d = \frac{0}{5}$

$\frac{t}{x} = \frac{s}{x+1}$ Solve for t .

$t = s - s = 15$

PART B - Functions

1. $-n = 7$ $\Rightarrow n =$ _____

22. $\sqrt{-9} =$ _____

$i^2 =$ _____

4. $3[2 - \{-\sqrt{n}\}] = n$

5. $\frac{10(-3)}{(15)} =$ _____

$\Delta \propto \frac{1}{s}$ $\Delta \propto \frac{1}{v}$ $\Delta \propto \frac{1}{w}$

$\Delta \propto \frac{1}{z}$

$\Delta \propto \frac{1}{s} + \frac{1}{v} + \frac{1}{w}$

$\Delta \propto \frac{1}{z}$

$\Delta \propto \frac{1}{s} + \frac{1}{v} + \frac{1}{w}$

$\Delta \propto \frac{1}{z}$

$\Delta \propto \frac{1}{s} + \frac{1}{v} + \frac{1}{w}$

$\Delta \propto \frac{1}{z}$

PART C ^} oÀ]vP <μ Ÿ}v•
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2. _____

3. $\frac{1}{3}$ AE $\frac{1}{5}$ AE A ô

3. _____

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4. _____

5. $\frac{x}{3} = \frac{12}{18}$

5. _____

PART D ^} oÀ]vP À}OE %oOE} o u• μ•]vP <μ Ÿ}v•

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