Bros Heath H.S.

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Class: 9C

Math B'Kins Exam

Equations

Solve for the variable:

1) $x + 1 = -6$

$-1 \quad -1$

$x = -7$

2) $2 = r - 8$

$+8 \quad +8$

10

3) $3 - x = 15$

$-3 \quad -3$

$-x = 12$

$-1 \quad -1$

$x = -12$

4) $\frac{r}{4} + 3 = 9$

$-3 \quad -3$

$\frac{r}{4} = 6 \cdot 4$

$r = 48$

5) $5 + 2x + 1 = 28$

$6 + 2x = 28$

$-6 \quad -6$

$\frac{2x}{2} = \frac{22}{2}$

$x = 11$

6) $3(x+1) = 27$

$3x + 3 = 27$

$-3 \quad -3$

$\frac{3x}{3} = \frac{24}{3}$

$x = 8$

7) $-1(6 - 3r) = 15$

$-6 + 3r = 15$

$+6 \quad +6$

$\frac{3r}{3} = \frac{21}{3}$

$r = 7$

8) $3n + 6 = -7n + 26$

$-6 \quad -6$

$+7n \quad +7n$

$\frac{10n}{10} = \frac{20}{10}$

$n = 2$

9) $\frac{2}{3}x = 48$

$\frac{2}{3} \cdot \frac{16}{1} \cdot \frac{2}{3} = 32$

10) $\frac{3}{5} = \frac{r}{-2}$

$\frac{3}{5} \cdot \frac{-2}{1}$

$\frac{-6}{5} = r$

90

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