Algebra 1

Name_____ ID: 1

Proportions

Date_____ Period____

Solve each proportion.

1) $\dfrac{n}{3} = \dfrac{10}{9}$

2) $\dfrac{x}{2} = \dfrac{10}{6}$

3) $\dfrac{8}{x} = \dfrac{10}{3}$

4) $\dfrac{9}{6} = \dfrac{x}{8}$

5) $\dfrac{2}{b} = \dfrac{9}{2}$

6) $\dfrac{6}{v} = \dfrac{2}{v+1}$

7) $\dfrac{5}{6} = \dfrac{n+8}{n}$

8) $\dfrac{10}{9} = \dfrac{x-3}{x}$

9) $\dfrac{3}{n+2} = \dfrac{2}{n}$

10) $\dfrac{2}{x+7} = \dfrac{10}{x}$

11) $\dfrac{8}{m-8} = \dfrac{10}{m+10}$

12) $-\dfrac{11}{4} = \dfrac{x+11}{x-7}$

13) $-\dfrac{6}{8} = \dfrac{n+4}{n-7}$

14) $\dfrac{3}{10} = \dfrac{n-3}{n+8}$

15) $\dfrac{p+9}{p-3} = \dfrac{3}{10}$

16) $\dfrac{n+12}{n-12} = \dfrac{4}{5}$

17) $-\dfrac{10}{12} = \dfrac{x+8}{x-8}$

18) $\dfrac{k-6}{k+7} = -\dfrac{11}{10}$

19) $\dfrac{x+5}{5} = \dfrac{x+12}{11}$