

Name : _____

Simplifying Expressions

Add/Sub: MS5

Simplify each expression.

1) $\frac{3}{p+4} - \frac{p}{p^2-16}$

2) $3 - \frac{4b}{b+3}$

3) $\frac{3r}{r+5} + \frac{r}{r^2+4}$

5) $\frac{10}{m^2-9} - \frac{7}{m-}$

7) $\frac{k^2-8k+15}{k-3} - \frac{k^2-7k-8}{k+1}$

8) $\frac{9}{z+4} - \frac{2}{z-2}$

PREVIEW 2y

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Name : _____

Answer key

Add/Sub: MS5

Simplifying Expressions

Simplify each expression.

1) $\frac{3}{p+4} - \frac{p}{p^2-16}$

$$\frac{2p-12}{p^2-16}$$

2) $3 - \frac{4b}{b+3}$

$$\frac{-b+9}{b+3}$$

3) $\frac{3r}{r+5} + \frac{r}{r^2+4}$

$$\frac{3r^2-2r+2}{(r+5)(r-1)}$$

5) $\frac{10}{m^2-9} - \frac{7}{m-3}$

$$\frac{-7m-11}{m^2-9}$$

7) $\frac{k^2-8k+15}{k-3} - \frac{k^2-7k-8}{k+1}$

3

8) $\frac{9}{z+4} - \frac{2}{z-2}$

$$\frac{7z-26}{(z+4)(z-2)}$$

PREVIEW 2y

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com