

Name : _____

Factorize & Simplify

ES5

Factorize each expression and reduce to its lowest term.

1) $\frac{22y + 33}{2y^2 + 3y}$

2) $\frac{16v^6 - 4v^4}{4v^5 - v^3}$

3) $\frac{7b - 21}{7}$

5) $\frac{p^3 - 4p}{3p^2 - 12}$

7) $\frac{9}{9r - 27}$

8) $\frac{(t - 3)(t + 2)}{10t^2 - 30t}$

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Name : _____

Answer key

ES5

Factorize & Simplify

Factorize each expression and reduce to its lowest term.

1) $\frac{22y + 33}{2y^2 + 3y}$

$\frac{11}{y}$

2) $\frac{16v^6 - 4v^4}{4v^5 - v^3}$

$4v$

3) $\frac{7b - 21}{7}$

$b - 3$

5) $\frac{p^3 - 4p}{3p^2 - 12}$

$\frac{p}{3}$

7) $\frac{9}{9r - 27}$

$\frac{1}{r - 3}$

8) $\frac{(t - 3)(t + 2)}{10t^2 - 30t}$

$\frac{t + 2}{10t}$