

Name : _____

Factorize & Simplify

ES2

Factorize each expression and reduce to its lowest term.

1) $\frac{5t - 30}{(t - 6)(t + 7)}$

2) $\frac{4u + 12}{u + 3}$

3) $\frac{2m - 14}{2}$

5) $\frac{18a^5 - 3a^3}{6a^4 - a^2}$

7) $\frac{v^6 + 2v}{8v^6 + 16v}$

8) $\frac{11x^2 - 77x}{(x - 7)(x - 8)}$

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Name : _____

Answer key

ES2

Factorize & Simplify

Factorize each expression and reduce to its lowest term.

1) $\frac{5t - 30}{(t - 6)(t + 7)}$

$\frac{5}{t + 7}$

2) $\frac{4u + 12}{u + 3}$

4

3) $\frac{2m - 14}{2}$

$m - 7$

5) $\frac{18a^5 - 3a^3}{6a^4 - a^2}$

$3a$

7) $\frac{v^6 + 2v}{8v^6 + 16v}$

$\frac{1}{8}$

8) $\frac{11x^2 - 77x}{(x - 7)(x - 8)}$

$\frac{11x}{x - 8}$

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