

Name : _____

Simplifying Expressions

ES2

Simplify each expression.

1) $\frac{a^2}{2a+3} \times \frac{6a^2+9a}{4a^4}$

2) $\frac{7n}{r^2} \div \frac{n}{r}$

3) $\frac{(x-y)^3}{2} \div \frac{x-y}{2}$

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5) $\frac{5m-10}{4m^2-8m} \times$

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7) $\frac{5b^2c^2}{10bc} \div \frac{6b^2c}{2c^2}$

8) $\frac{4k-20}{4k^2} \times \frac{k^4}{k-5}$

Name : _____

Answer key

ES2

Simplifying Expressions

Simplify each expression.

1) $\frac{a^2}{2a+3} \times \frac{6a^2+9a}{4a^4}$

$\frac{3}{4a}$

2) $\frac{7n}{r^2} \div \frac{n}{r}$

$\frac{7}{r}$

3) $\frac{(x-y)^3}{2} \div \frac{x-y}{2}$

$(x-y)^2$

5) $\frac{5m-10}{4m^2-8m} \times$

1

7) $\frac{5b^2c^2}{10bc} \div \frac{6b^2c}{2c^2}$

$\frac{c^2}{6b}$

8) $\frac{4k-20}{4k^2} \times \frac{k^4}{k-5}$

k^2

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