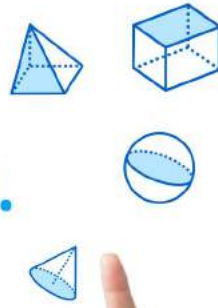


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Rational Expressions Worksheets

For Questions (1-2), simplify the given expressions to its lowest form:

1) $\frac{n-8}{2n-16}$

2) $\frac{t^2-8t+15}{t-5}$

For Questions (3-10), evaluate and then simplify the given expressions:

3) $\frac{x^2+3x+10}{x-5}$

4) $\frac{n^2-36}{n^2-8n+12}$

5) $\frac{m^2-1}{m^3-1}$

6) $\frac{3t^2+5t+2}{2t^2+3t+1}$

7) $\frac{z+6}{z^2+5z-6}$

8) $\frac{r-7}{r-14}$

9) $\frac{p-4}{p^2-16}$

10) $\frac{2t+4}{t+2}$



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**ANSWERS**

1)	28, 29, 30, 31, 32, 33
2)	b^4
3)	530, 619, 598, 690
4) (A) (B)	256 441
5)(A) (B)	25 81
6)	11.3

7)	$\sqrt[4]{m}$ and $m^{\frac{1}{4}}$
8)	10 years
9)	4107
10)	32

FUN FACT

1. A perfect square is a number which is obtained by multiplying identical integers.
2. We find the square root of a perfect square to find those identical integers.
3. We use the prime factorization method to find the prime factors of a perfect square.

