

A.A.14: Divide a polynomial by a monomial or binomial, where the quotient has no remainder.

1. 060506a, P.I. A.A.14

When $3x^2 - 6x$ is divided by $3x$, the result is

- [A] $2x$ [B] $-2x$
[C] $x - 2$ [D] $x + 2$

2. 080817a, P.I. A.A.14

What is $6x^3 + 4x^2 + 2x$ divided by $2x$?

- [A] $3x^2 + 2x + 1$ [B] $4x^2 + 2x + 1$
[C] $3x^2 + 2x$ [D] $4x^2 + 2x$

3. 010724a, P.I. A.A.14

The expression $(50x^3 - 60x^2 + 10x) \div 10x$ is equivalent to

- [A] $5x^3 - 6x^2 + x$ [B] $5x^2 - 6x + 1$
[C] $5x^2 - 60x^2 + 10x$ [D] $5x^2 - 6x$

4. 010109a, P.I. A.A.14

If $x \neq 0$, the expression $\frac{x^2 + 2x}{x}$ is equivalent to

- [A] 4 [B] $3x$ [C] 2 [D] $x + 2$

5. fall0718ia, P.I. A.A.14

The expression $\frac{9x^4 - 27x^6}{3x^3}$ is equivalent to

- [A] $3x(1 - 9x^5)$ [B] $3x(1 - 3x)$
[C] $9x^3(1 - x)$ [D] $3x(1 - 3x^2)$

6. 060102a, P.I. A.A.14

Which polynomial is the quotient of $\frac{6x^3 + 9x^2 + 3x}{3x}$?

- [A] $2x^2 + 3x + 1$ [B] $2x + 3$
[C] $2x^2 + 3x$ [D] $6x^2 + 9x$

7. 060824ia, P.I. A.A.14

Which expression represents $\frac{2x^2 - 12x}{x - 6}$ in simplest form?

- [A] 0 [B] $4x$ [C] $2x$ [D] $2x + 2$

A.A.14: Divide a polynomial by a monomial or binomial, where the quotient has no remainder.

[1] C

[2] A

[3] B

[4] D

[5] D

[6] A

[7] C