

*A.A.38: Determine if two lines are parallel, given their equations in any form.*

1. 060814ia, P.I. A.A.38

Which equation represents a line parallel to the line  $y = -4x + 5$ ?

[A]  $y = -4x + 3$       [B]  $y = -\frac{1}{4}x + 5$

[C]  $y = 4x + 5$       [D]  $y = \frac{1}{4}x + 3$

2. 010926ia, P.I. A.A.38

Which equation represents a line that is parallel to the line  $y = 3 - 2x$ ?

[A]  $y = 3 - 4x$       [B]  $2x + 4y = 1$

[C]  $y = 4x - 2$       [D]  $4x + 2y = 5$

3. 080009a, P.I. A.A.38

Which equation represents a line parallel to the line  $y = 2x - 5$ ?

[A]  $y = 2x + 5$       [B]  $y = 5x - 2$

[C]  $y = -\frac{1}{2}x - 5$       [D]  $y = -2x - 5$

4. 010522a, P.I. A.A.38

Which equation represents a line that is parallel to the line whose equation is  $2x + 3y = 12$ ?

[A]  $6y + 4x = 2$       [B]  $6x + 4y = -2$

[C]  $6y - 4x = 2$       [D]  $4x - 6y = 2$

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[1] A

[2] D

[3] A

[4] A