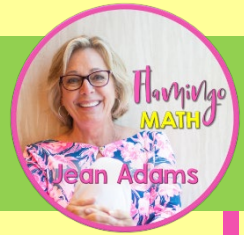
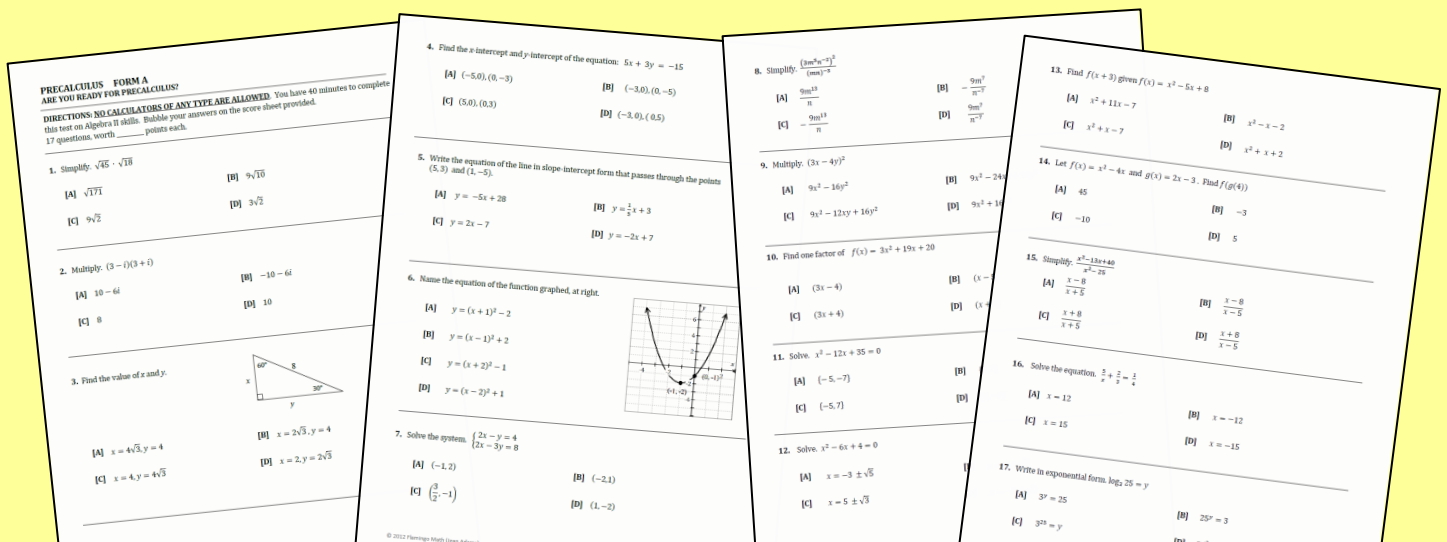


PRECALCULUS

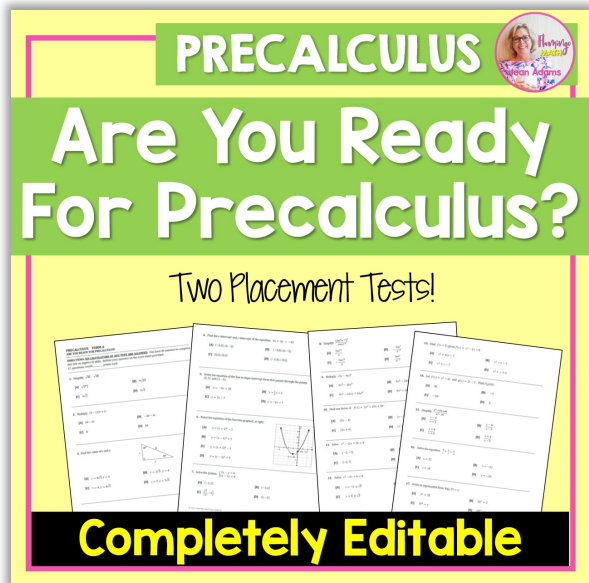


Are You Ready For Precalculus?

Two Placement Tests!



Completely Editable



Are You Ready for Precalculus?

This is a prerequisite assignment with two placement tests for new students.



Are You Ready for Precalculus?

This is a general PRE-TEST of PRE-REQUISITE SKILLS for assessing the readiness of your Pre-Calculus students in the first week of school.

There are also two different versions of a multiple-choice exam:

- 17 questions
- No Calculator
- 40 minutes
- All answer keys are included
- Bubble sheet form

PRECALCULUS FORM A
ARE YOU READY FOR PRECALCULUS?

DIRECTIONS: NO CALCULATORS OF ANY TYPE ARE ALLOWED. You have 40 minutes to complete this test on Algebra II skills. Bubble your answers on the score sheet provided.
17 questions, worth _____ points each.

1. Simplify. $\sqrt{45} \cdot \sqrt{18}$

[A] $\sqrt{171}$

[B] $9\sqrt{10}$

[C] $9\sqrt{2}$

[D] $3\sqrt{2}$

2. Multiply. $(3-i)(3+i)$

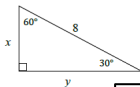
[A] $10-6i$

[B] $-10-6i$

[C] 8

[D] 10

3. Find the value of x and y .



[A] $x = 4\sqrt{3}, y = 4$

[B] $x = 2\sqrt{3}, y =$

[C] $x = 4, y = 4\sqrt{3}$

[D] $x = 2, y = 2\sqrt{3}$

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4. Find the x -intercept and y -intercept of the equation: $5x + 3y = -15$

[A] $(-5,0), (0,-3)$

[B] $(-3,0), (0,-5)$

[C] $(5,0), (0,3)$

[D] $(-3,0), (0,5)$

5. Write the equation of the line in slope-intercept form that passes through the points $(5,3)$ and $(1,-5)$.

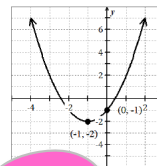
[A] $y = -5x + 28$

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

[C] $y = 2x - 7$

[D] $y = -2x + 7$

6. Name the equation of the function graphed, at right.



[A] $y = (x+1)^2 - 2$

[B] $y = (x-1)^2 + 2$

[C] $y = (x+2)^2 - 1$

[B] $(-1, -2)$

Name _____ Date _____ Period _____

PRECALCULUS Pre-Test Form

Multiple Choice (No Calculator)

1.	(A) (B) (C) (D)
2.	(A) (B) (C) (D)
3.	(A) (B) (C) (D)
4.	(A) (B) (C) (D)
5.	(A) (B) (C) (D)
6.	(A) (B) (C) (D)
7.	(A) (B) (C) (D)
8.	(A) (B) (C) (D)
9.	(A) (B) (C) (D)
10.	(A) (B) (C) (D)
11.	(A) (B) (C) (D)
12.	(A) (B) (C) (D)
13.	(A) (B) (C) (D)
14.	(A) (B) (C) (D)
15.	(A) (B) (C) (D)
16.	(A) (B) (C) (D)
17.	(A) (B) (C) (D)

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8. Simplify. $\frac{(3m^5n^{-3})^2}{(mn)^{-3}}$

[A] $\frac{9m^{13}}{n}$

[B] $-\frac{9m^7}{n^{-7}}$

[C] $-\frac{9m^{13}}{n}$

[D] $\frac{9m^7}{n^{-7}}$

9. Multiply. $(3x-4y)^2$

[A] $9x^2 - 16y^2$

[B] $9x^2 - 24xy + 16y^2$

[C] $9x^2 - 12xy + 16y^2$

[D] $9x^2 + 16y^2$

10. Find one factor of $f(x) = 3x^2 + 19x + 20$

[A] $(3x-4)$

[B] $(x-5)$

[C] $(3x+4)$

[D] $(x+2)$

11. Solve. $x^2 - 12x + 35 = 0$

[A] $\{-5, -7\}$

[B] $\{5, 7\}$

[C] $\{-5, 7\}$

[D] $\{5, -7\}$

12. Solve. $x^2 - 6x + 4 = 0$

[A] $x = -3 \pm \sqrt{5}$

[B] $x = 3 \pm \sqrt{5}$

[C] $x = 5 \pm \sqrt{3}$

[D] $x = -5 \pm \sqrt{3}$

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14. Let $f(x) = x^2 - 4x$ and $g(x) = 2x - 3$. Find $f(g(4))$

[A] 45

[B] -3

[C] -10

[D] 5

15. Simplify. $\frac{x^2-13x+40}{x^2-25}$

[A] $\frac{x-8}{x+5}$

[B] $\frac{x-8}{x-5}$

[C] $\frac{x+8}{x+5}$

[D] $\frac{x+8}{x-5}$

16. Solve the equation. $\frac{5}{x} + \frac{2}{3} = \frac{1}{4}$

[A] $x = 12$

[B] $x = -12$

[C] $x = 15$

[D] $x = -15$

17. Write in exponential form. $\log_3 25 = y$

[A] $3^y = 25$

[B] $25^y = 3$

[C] $3^{25} = y$

[D] $25^3 = y$

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