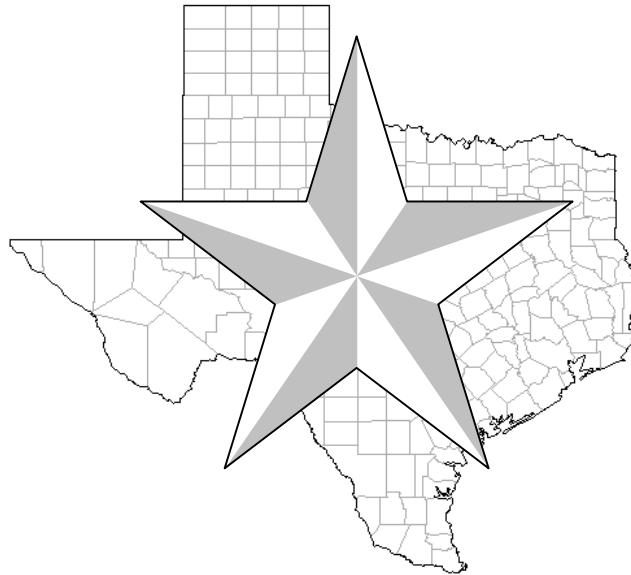




Tests for Higher Standards



TAKS Exit Exam Sampler Grade 11

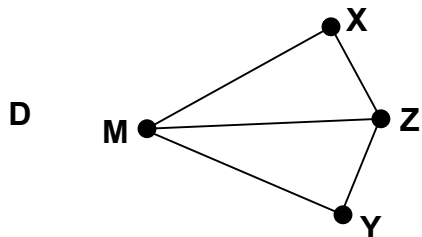
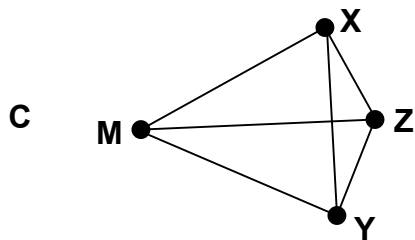
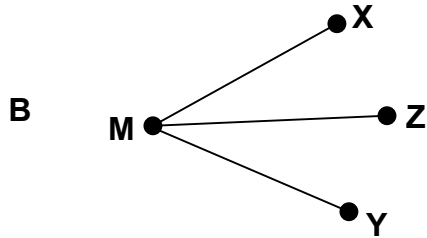
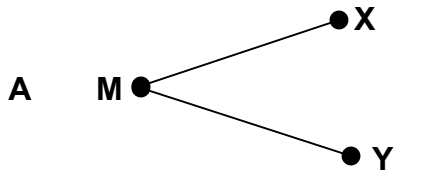
Mathematics

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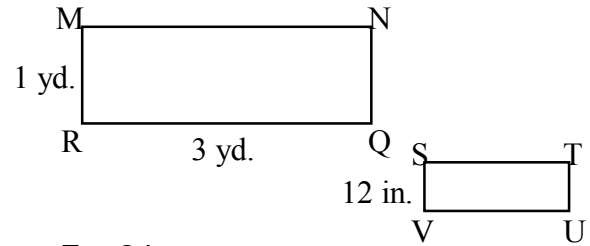
Objective 6
Gb4A

35 Three cities are located on one side of a river and all must be connected to each other and to city M, which is located across the river. Which network best illustrates this situation?



Gc1A

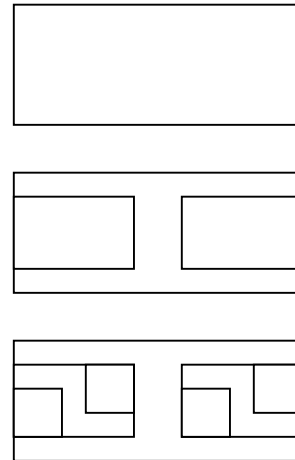
36 If the rectangle $MNQR$ is similar to rectangle $STUV$, find the measure of ST .



- F** 2 in.
- G** 3 in.
- H** 2 ft.
- J** 3 ft.

Gc1B

37 The figure below shows the first three stages of a fractal.



How many rectangles will the n th stage of this fractal contain?

- A** 2^n
- B** $2n$
- C** $2^n - 1$
- D** $2n - 1$

Tests for Higher Standards in Mathematics — Classroom Matrix																							
Texas Exit Exam, School _____, Teacher _____, Date Completed _____																							
		Objective 1					Objective 2							Objective 3									
TEKS Standard		Ab1A	Ab1B	Ab1C	Ab1D	Ab1E	Ab2A	Ab2B	Ab2C	Ab2D	Ab3A	Ab3B	Ab4A	Ab4B	Ac1A	Ac1C	Ac2A	Ac2B	Ac2C	Ac2D	Ac2E	Ac2F	Ac2G
Starting Item #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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Tests for Higher Standards



Mathematics

TAKS Exit Exam Grade 11 Subtest - Objective 4

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Ac4A

- 12** There were 30 pigs and chickens in the barnyard. You lost count of how many of each there were, but you know that there were 100 legs total for all the animals. Which set of equations could be used to find the number of pigs and chickens?

F $p - c = 2$
 $4p - 2c = 70$

G $4p + 2c = 70$
 $p + c = 30$

H $p + c = 100$
 $4p + 2c = 30$

J $p + c = 30$
 $4p + 2c = 100$

- 13** Job A pays yearly earnings of \$17,000 plus 1% of sales, while Job B pays \$15,000 plus 3% of sales. Which set of equations would give total yearly earnings for each job and allow you to find where the total earnings were the same for each?

A $E = 17,000 + 0.01S$
 $E = 15,000 + 0.03S$

B $E + 17,000 = 0.01S$
 $E + 15,000 = 0.03S$

C $E + 0.015 = 17,000$
 $E + 0.017 = 15,000$

D $E = 17,000 - 0.01S$
 $E = 15,000 - 0.03S$

- 14** You (Y) and your friend (F) found \$50. You split the money so that you now have \$9 more than twice the amount of money your friend has. Which pair of equations will allow you to determine how much each of you has?

F $Y - 9 = 2F$
 $Y + F = 50$

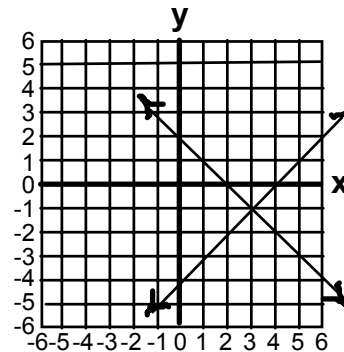
G $Y - 9 = F$
 $Y + F = 50$

H $Y - 2F = 9$
 $Y - F = 50$

J $Y + 9 = F$
 $Y + F = 50$

Ac4B

- 15** What is the solution to the system of equations shown in the graph below?



- A** $(-3, -1)$
B $(-3, 1)$
C $(1, 3)$
D $(3, -1)$

Tests for Higher Standards in Mathematics — Classroom Matrix

Texas Exit Exam, School _____, Teacher _____, Date Completed _____

Objective 5																																			
TEKS Standard	Ad1B				Ad1C				Ad1D				Ad2A						Ad2B			Ad3A					Total								
Starting Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30				
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