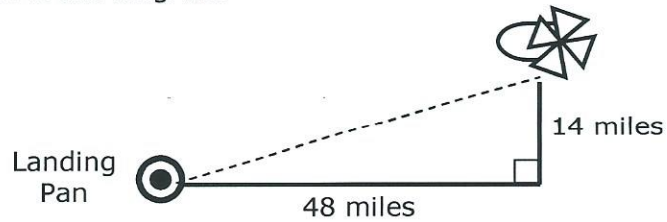


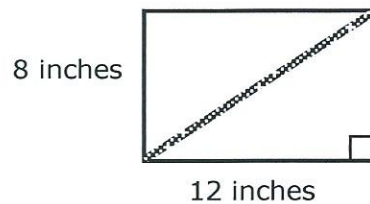
Evaluate: Pythagorean Theorem

1. The helicopter flew east from the hospital landing pad for 48 miles and then flew north for 14 miles, as shown in the diagram.



What is the shortest distance the helicopter can fly to return to the hospital?

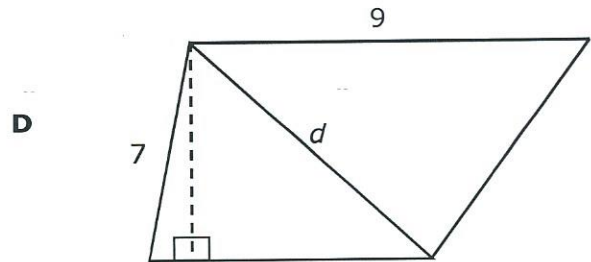
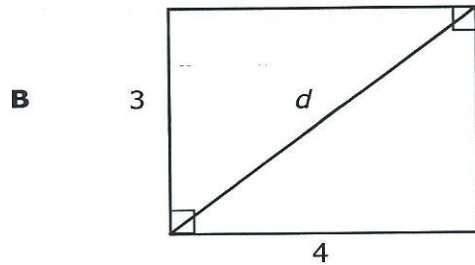
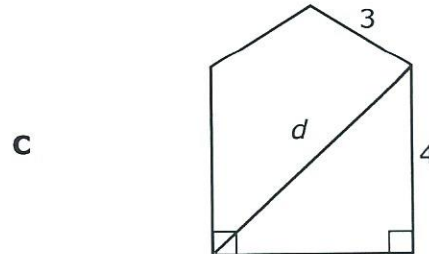
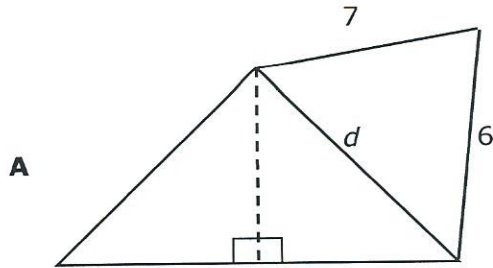
- A** 11 miles
- B** 82 miles
- C** 50 miles
- D** 62 miles
2. Ms. Cross designed a quilt piece in the shape of a rectangle. She plans to sew a strip of contrasting material along the diagonal of the rectangular quilt piece, as shown below.



Which is closest to the length of the contrasting material?

- A** 9 in.
- B** 11 in.
- C** 14 in.
- D** 20 in.

3. Line segment d is a diagonal in each polygon shown below. Which drawing shows enough information to find the length of line segment?



4. A ladder that is 15 feet long leans against a building. The bottom of the ladder is 9 feet from the base of the building. How far up the side of the building does the ladder reach, in feet?

Record your answer in the bubbles. Be sure to use the correct place value.

				.		
0	0	0	0		0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9