Pythagorean Theorem 3D - Double Triangle - Dimensions to Hypotenuse

1 What is the distance from point A to point D on this pair of triangles?

A	B	C
6	5	1

D	E	F
3	9	10

2 What is the distance from point A to point D on this pair of triangles?

A	B	C
12	6	2

D	E	F
15	13	14

3 What is the distance from point A to point D on this pair of triangles?

A	B	C
14	7	18

D	E	F
1	9	4

4 What is the distance from point A to point D on this pair of triangles?

A	B	C
8	9	3

D	E	F
17	10	4

5 What is the distance from point A to point D on this pair of triangles?

A	B	C
2	9	16

D	E	F
4	12	14

6 What is the distance from point A to point D on this pair of triangles?

A	B	C
10	12	11

D	E	F
5	1	7