

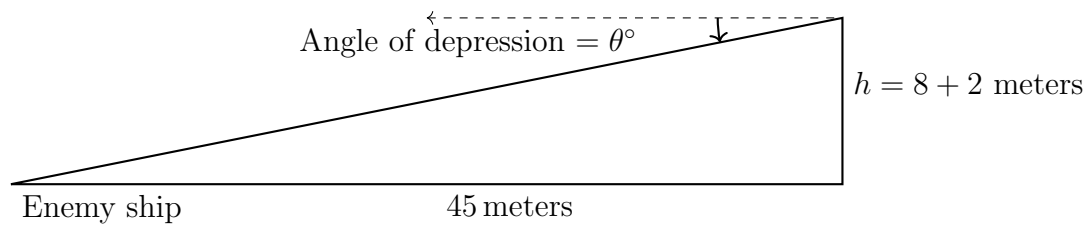
Name:

12.6 Trigonometric situations

HSG.SRT.C.8

1. A pirate, who is two meters tall, is standing on a mast 8 meters tall. Looking down, the pirate sees an enemy ship 45 meters away.

Find the angle of depression to the nearest degree.



2. A snowman is standing 6 meters away from the base of a set of monkey bars, looking up at a boy x meters off the ground. The snowman is 1 meter tall and the angle of elevation of his view to the boy is 18.5° .

Find the height of the boy off the ground.

(not drawn to scale)

