Pythagorean Theorem Application lesson

1. At the beach there is a square canopy tent. It measures 8 feet tall. We anchor it to the ground with a 15 feet rope at each corner to make sure the wind doesn’t blow it away. How far is the rope from the base of the tent?

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| Draw it | Solve it |
| Explain your answer: | |

1. I have a TV. It is a 50” TV (that means it measures 50” DIAGONALLY). If my TV has a length of 45” what is the width of my TV?

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| Draw it | Solve it |
| Explain your answer: | |

1. I drove 2 miles east to Alex’s house. Then I drove 15 miles south to soccer practice. If I was superman and could fly directly home from the soccer field how far away would it be?

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| Draw it out:  [http://us.123rf.com/400wm/400/400/goliaf888/goliaf8881209/goliaf888120900063/15463306-compass-illustration-with-north-south-east-west.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&docid=MvKlUCqfC_63wM&tbnid=jp1znOa3MOMqVM:&ved=0CAUQjRw&url=http://www.123rf.com/photo_15463306_compass-illustration-with-north-south-east-west.html&ei=yKUwUrDVM4K02wXix4HoDg&psig=AFQjCNFcSrFKEzeOz2uPhvVpDdOiMkmZ2w&ust=1379006275647066) | Solve it |
| Explain your answer: | |

1. Johnny took a bus 220 miles south to Fort Lauderdale and then 60 miles west to Naples. He flew home. How many miles did he fly home?

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| Draw it out:  [http://us.123rf.com/400wm/400/400/goliaf888/goliaf8881209/goliaf888120900063/15463306-compass-illustration-with-north-south-east-west.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&docid=MvKlUCqfC_63wM&tbnid=jp1znOa3MOMqVM:&ved=0CAUQjRw&url=http://www.123rf.com/photo_15463306_compass-illustration-with-north-south-east-west.html&ei=yKUwUrDVM4K02wXix4HoDg&psig=AFQjCNFcSrFKEzeOz2uPhvVpDdOiMkmZ2w&ust=1379006275647066) | Solve it |
| Explain your answer: | |