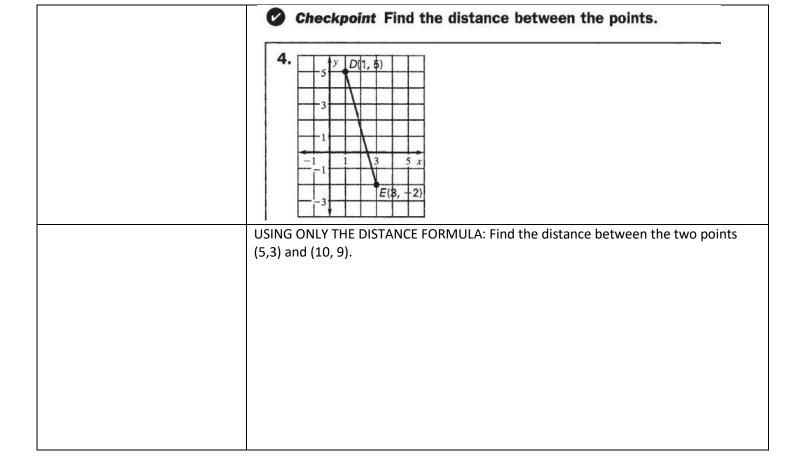
| Chapter 4- Triangle Relationships | | |
|-----------------------------------|---|--|
| | | |
| 4.5 The Distance Formula | Namo | |
| 4.5 The Distance Formula | Name: | |
| | Day 8 Notes | |
| | Considering two points, can I find the distance between them? | |
| Point | | |
| | | |
| | | |
| | | |
| Nonnegotiable | | |
| Nonnegotiuble | | |
| | | |
| | | |
| Coordinate Plane | | |
| | | |
| | | |
| | | |
| | | |
| | THE DISTANCE FORMULA $B(x_2, y_2)$ | |
| | If $A(x_1, y_1)$ and $B(x_2, y_2)$ are points | |
| | in a coordinate plane, then the $y_2 - y_1$ | |
| | $x_2 - x_1 C(x_2, y_1)$ | |
| | $AB = \sqrt{(2 - 1)^2 + (2 - 1)^2}.$ | |
| | | |
| | | |
| | Example 3 Use the Distance Formula | |
| | | |
| | Find the distance between $D(1, 2)$ and | |
| | E(3, -2). | |
| | · | |
| | 3 1 1 | |
| | | |
| | | |
| | -1 1 3 5 x | |
| | | |
| | E | |
| | | |
| | | |
| | Follow-Up | |
| | Can Example 3 be done using the Pythagorean Theorem rather | |
| | than the Distance Formula? Explain. | |
| | | |
| | | |
| | | |
| | | |



| Summary: | |
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