

USING DIAGONALS TO CLASSIFY QUADRILATERALS

Do Diagonals Bisect?

yes
Are they \perp ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

yes
Are they \equiv ?

Use this flowchart to determine the type of quadrilateral

Courtesy of

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QUADRILATERAL

IRREGULAR

TRAPEZOID

NO

YES

PARALLELOGRAM

ARE THERE

NO

ARE THEY \equiv ?

NO

ARE THEY \perp ?

NO

KITE

YES

NO

ARE THEY \perp ?

PARALLELOGRAM

NO

ARE THEY \equiv ?

YES

NO

ARE THEY \perp ?

ARE THEY \perp ?

YES

?

ARE THEY \equiv ?

NO

RHOMBUS

RECTANGLE

QUARE

YES

YES

ARE THEY \perp ?

YES

ARE THEY \equiv ?

YES

ARE THEY \equiv ?

YES