

AIRPORT DIAGRAMS (40 pts)

Using the Airport Diagram for Philadelphia International Airport (PHL), answer the following questions:

To get the Airport Diagram from Airnav.com

1. Go to Airnav.com
2. Select Airports tab
3. Enter KPHL (ICAO Ident for Philadelphia Airport)
4. Scroll down to the airport diagram on the righthand-side.

To get the airport diagram with a Direct Link: <http://155.178.201.160/d-tp/1611/00320AD.PDF>

1. How many runways are available at PHL _____ (2 points)

2. List the Runway Names, the Runway Heading, Touchdown Zone Elevation, and Runway Length for all the runways at PHL

RUNWAY NAME	RUNWAY HEADING (degrees)	TOUCHDOWN ZONE ELEVATION (ft)	RUNWAY LENGTH (ft)
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3. What is the Field Elevation at PHL _____ (2 pts)

4. What is the approximate latitude and longitude of the Runway Threshold for Rwy 26

_____ (degs. mins),

_____ (degs. mins) (4 pts)

5. Landing on Runway 09L and taxing to the end of the runway,

a) What sequence of taxiways would you use to direct traffic to ramp area "F"

b) What is the most dangerous part of the taxi-in from Rwy 09L? Explain.

6. Runway 09L has two exit ramps: "M" and "K2"

A) Why are these taxi-ways at a 45 degree angle from Rwy 09L

B) How do these 45 degree angle taxiways from the runway improve airport arrival and departure throughput?

7. Runway 09L is marked "LAHSO" (where taxiway E cross 09L)

A) What does LAHSO stand for?

B) What does an landing aircraft do when given a LAHSO clearance?

C) How does LAHSO improve airport arrival and departure throughput?
