

Name _____ Date _____ Period _____

Pelvis							
Trait	<u>Pelvis 1</u>	<u>Pelvis 2</u>	<u>Pelvis 3</u>	Female	Male		
<i>Sub-Pubic Angle</i>				> 90°	< 90°		
<i>Pubis Body Width</i>				~40 mm	25-30 mm		
<i>Greater Sciatic Notch</i>				> 68°	< 68°		
<i>Pelvic Cavity Shape</i>				Circular and Wide, Showing Mainly coccyx	Heart shaped, showing sacrum and coccyx		
Cranium							
Trait	<u>Cranium 1</u>	<u>Cranium 2</u>	<u>Cranium 3</u>	<u>Cranium 4</u>	<u>Cranium 5</u>	Female	Male
<i>Upper Edge of Eye Orbit</i>						Sharp	Blunt
<i>Shape of Eye Orbit</i>						Round	Square
<i>Zygomatic Process</i>						Not beyond external Auditory Meatus	Beyond external auditory meatus
<i>Nuchal Crest</i>						Smooth	Rough and Bumpy
<i>Occipital Protuberance</i>						Generally Absent	General Present
<i>Frontal Bone</i>						Round, Globular	Low, Slanting
<i>Mandible Shape</i>						Rounded, V-shape	Square, U-Shape
<i>Ramus of Mandible</i>						Slanting	Straight
Femur							
Trait	<u>Femur 1</u>	<u>Femur 2</u>	Female	Unknown	Male		
Vertical (Max) Diameter of the Femoral Head			< 43.5	43.5-44.5	> 44.5		
Bicondylar Width (mm)			< 74	74-76	> 76		
Maximum Length (mm)			< 405	405-430	> 430		
Humerus							
Trait	<u>Humerus 1</u>	<u>Humerus 2</u>	Avg. Female	Avg. Male			
Transverse Diameter of Humeral Head (mm)			37.0-39.0	42.7-44.7			
Vertical Diameter of Humeral Head (mm)			42.7	48.8			
Max Length (mm)			305.9	339			
Epicondylar Width (mm)			56.8	63.9			

Name _____ Date _____ Period _____

Height Determination Femur and Humerus

A) **Femur** Maximum Length of Femur (from page 1) = _____ cm

	MALE				FEMALE			
	Regression Formula	Height cm	Height Inches	Approx. Height (Ft & in)	Regression Formula	Height cm	Height Inches	Approx. Height (Ft & in)
Caucasoid	2.32 (MLF) + 65.53				2.47 (MLF) + 54.1			
Mongoloid	2.15 (MLF) + 72.57				Formula N/A	N/A	N/A	
Negroid	2.10 (MLF) + 72.22				2.28 (MLF) + 59.76			

Height Determination Femur and Humerus

B) **Humerus** Maximum Length of Humerus (from page 1) = _____ cm

	MALE				FEMALE			
	Regression Formula	Height cm	Height Inches	Approx. Height (Ft & in)	Regression Formula	Height cm	Height Inches	Approx. Height (Ft & in)
Caucasoid	2.89 (MLH) + 78.10				3.36 (MLH) + 57.97			
Mongoloid	2.68 (MLH) + 83.19				Formula N/A	N/A	N/A	
Negroid	2.88 (MLH) + 75.48				3.08 (MLH) + 64.67			

Name _____ Date _____ Period _____

Skull 1			Skull 2			Skull 3		
Nasal Width _____ mm			Nasal Width _____ mm			Nasal Width _____ mm		
Nasal Height _____ mm			Nasal Height _____ mm			Nasal Height _____ mm		
Cranium								
Trait	Cranium 1	Cranium 2	Cranium 3	Caucasoid	Mongoloid	Negroid		
<i>Nasal Index</i>				< .48	.48 - .53	> .53		
<i>Nasal Spine</i>				Prominent spine	Somewhat Prominent Spine	Very Small Spine		
<i>Nasal silling/Guttering</i>				Sharp ridge (silling)	Rounded ridge	No Ridge (guttering)		
<i>Prognathism</i>				Straight	Variable	Prognathic		
<i>Shape of Orbital Openings</i>				Rounded, somewhat square	Rounded, somewhat circular	Rectangular		

Femur

Caucasoid - fingers can fit under curvature of femur

Negroid - fingers cannot fit under curvature of femur

Age Determination by Femur, Humerus, Pelvis

Refer to the Final Results "Age Determination" sheet for the analysis instructions. Only select **ONE** example of each bone for analysis.

A) Age Determined by the Pelvis (Pelvis _____) = _____

B) Age Determined by the Femur (Femur _____) = _____

C) Age Determined by the Humerus (Humerus _____) = _____